Front-end Group - Support #23968

Audit SQL usage in front-ends

01/28/2020 02:04 PM - Richard Neswold

Status:	New		**Start date:**	01/28/2020
Priority:	High		**Due date:**	12/31/2020
Assignee:	Dennis Nicklaus		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:				

Description

The Central Service group is retiring Sybase at the end of this year. Several front-ends make SQL queries and will need to be migrated to PostgreSQL. Denise also asked us to audit all services that front-ends use, like DNLDD.

Scanning the startups script located in the boot area shows the following systems are loading dbdown.out, which has the SQL API in it. It doesn't mean these systems actually use it; some people cut-n-paste example start-up code from others without fully understanding what each module does. A quick test would be to comment out dbdown.out from the script and then reboot. If there are unresolved symbol errors from any other module, then it's being used.

Operational Systems

These are systems where there was a clear link between the startup script and the node that uses it. A "clear link" means either the name of the startup script contained a valid ACNET node name or the contents of the script indicated which front-end uses it. There were a lot of strangely named scripts whose contents didn't refer to its node (maybe they are used by multiple nodes?), so this list is probably not complete.

NODE	Maintainer
BCOLL	Rich Neswold
MCR02	Jerry Firebaugh
MI8CL1	Rich Neswold
MIBEAM	John Diamond
NMLGP3	Jerry Firebaugh
NUMIHN	Rich Neswold
PBEAM	John Diamond
PXMC2	Rich Neswold
QXRMI	Jerry Firebaugh
RTPM*	John Diamond
SRFBLM	Rich Neswold
STATEA	Rich Neswold
TEVAC	Jerry Firebaugh

Test Systems

Not sure if these are still in use, but they load dbdown.out.

NODE	Maintainer
BOODAM	Dennis Nicklaus
LBEAM	John Diamond

Out of Service Systems

These systems probably shouldn't exist anymore[1].

NODE	Maintainer
DRF1	Jerry Firebaugh
ECOOL	Rich Neswold

Obsolete Systems

These systems should probably also be removed[1].

NODE	Maintainer
E0IPM	Rich Neswold
E4RVAC	Jerry Firebaugh
ECVAC	Jerry Firebaugh
MIVAC	Jerry Firebaugh
NOVATB	John Diamond
NUMIPM	Rich Neswold
PBVAC	Jerry Firebaugh
STATEB	Rich Neswold
SYVAC	Jerry Firebaugh
TBEAM	Tom Meyer

Unknown Systems

These directories were in the boot area and it wasn't clear which front-ends use the resources. So this table contains the directory name and the account that owns it.

Directory	Owner
mibpm	Elliot McCrory
otis	Randy Thurman-Keup
twt	Dennis Nicklaus
tbpm	Luciano Piccoli

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[1] It could be that only the ACNET node table entry remains for these systems. But whatever resources remain should be reclaimed.

History

#1 - 01/28/2020 02:28 PM - Richard Neswold

I sent out a general message to front-end programmers asking for usage examples of the dbdown module of which we might not be aware.

#2 - 01/29/2020 10:03 AM - Richard Neswold

- Description updated

Update description with results from scanning startup scripts.